

Adriano dos Santos

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

640
citations

566801

15
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

616
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparing label free electrochemical impedimetric and capacitive biosensing architectures. <i>Biosensors and Bioelectronics</i> , 2014, 57, 96-102.	5.3	77
2	An impedimetric biosensor to test neat serum for dengue diagnosis. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 150-154.	4.0	74
3	Perspectives on and Precautions for the Uses of Electric Spectroscopic Methods in Label-free Biosensing Applications. <i>ACS Sensors</i> , 2019, 4, 2216-2227.	4.0	56
4	A dual marker label free electrochemical assay for Flavivirus dengue diagnosis. <i>Biosensors and Bioelectronics</i> , 2018, 100, 519-525.	5.3	46
5	Fundamentals and Applications of Impedimetric and Redox Capacitive Biosensors. <i>Journal of Analytical & Bioanalytical Techniques</i> , 2014, S7, .	0.6	43
6	Impedance-derived electrochemical capacitance spectroscopy for the evaluation of lectin-glycoprotein binding affinity. <i>Biosensors and Bioelectronics</i> , 2014, 62, 102-105.	5.3	39
7	Redox-tagged peptide for capacitive diagnostic assays. <i>Biosensors and Bioelectronics</i> , 2015, 68, 281-287.	5.3	37
8	Serological point-of-care and label-free capacitive diagnosis of dengue virus infection. <i>Biosensors and Bioelectronics</i> , 2020, 151, 111972.	5.3	33
9	Label-free capacitive assaying of biomarkers for molecular diagnostics. <i>Nature Protocols</i> , 2020, 15, 3879-3893.	5.5	31
10	Sensitive label-free electron chemical capacitive signal transduction for D-dimer electroanalysis. <i>Electrochimica Acta</i> , 2015, 182, 946-952.	2.6	30
11	An outlook on electrochemical approaches for molecular diagnostics assays and discussions on the limitations of miniaturized technologies for point-of-care devices. <i>Sensors and Actuators Reports</i> , 2022, 4, 100087.	2.3	25
12	Mapping the ionic fingerprints of molecular monolayers. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15098-15109.	1.3	22
13	The self-assembly of redox active peptides: Synthesis and electrochemical capacitive behavior. <i>Biopolymers</i> , 2016, 106, 357-367.	1.2	19
14	Measuring quantum conductance and capacitance of graphene using impedance-derived capacitance spectroscopy. <i>Carbon</i> , 2021, 184, 821-827.	5.4	16
15	Glycoprotein assay based on the optimized immittance signal of a redox tagged and lectin-based receptive interface. <i>Biosensors and Bioelectronics</i> , 2016, 83, 368-378.	5.3	15
16	The nanoscopic principles of capacitive ion sensing interfaces. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3770-3774.	1.3	15
17	Introducing mesoscopic charge transfer rates into molecular electronics. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 10828-10832.	1.3	14
18	Evaluating the Equilibrium Association Constant between ArtinM Lectin and Myeloid Leukemia Cells by Impedimetric and Piezoelectric Label Free Approaches. <i>Biosensors</i> , 2014, 4, 358-369.	2.3	12

#	ARTICLE	IF	CITATIONS
19	Quantum Mechanical Meaning of the Charge Transfer Resistance. Journal of Physical Chemistry C, 2022, 126, 3151-3162.	1.5	9
20	Perspective on Quantum Electrochemistry. A Simple Method for Measuring the Electron Transfer Rate Constant. Electrochimica Acta, 2021, , 139219.	2.6	8
21	Evidence for Conformational Mechanism on the Binding of TgMIC4 with β -Galactose-Containing Carbohydrate Ligand. Langmuir, 2015, 31, 12111-12119.	1.6	6
22	Introducing polymer conductance in diagnostically relevant transduction. Biosensors and Bioelectronics, 2021, 172, 112705.	5.3	6
23	Density of States of a Nanoscale Semiconductor Interface as a Transduction Signal for Sensing Molecules. ACS Applied Electronic Materials, 2021, 3, 3411-3417.	2.0	5
24	Determina��o dos par�metros cin�ticos e termodin�micos da adsor�o de L-ciste�na em ouro por meio da t�cnica de microbalan�a a cristal de quartzo. Qu�mica Nova, 2012, 35, 1365-1368.	0.3	1
25	Harmonical oscillator and electro-mechanical analogy: an interdisciplinary experiment to high precision mass variation measurements. Ecletica Qu�mica, 2009, 34, 57-75.	0.2	1
26	Low-fouling properties in serum of carboxylic-oligo(ethylene glycol)-based interfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 618, 126426.	2.3	0
27	Estudo in situ da funcionaliza�o de superf�cie de ouro para imobiliza�o de prote�na. Ecletica Qu�mica, 2016, 39, 244-256.	0.2	0